

FORM PTO-1449  
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
870109.409APPLICATION NO.  
09/304,121

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT  
Richard VoellmyFILING DATE  
May 3, 1999GROUP ART UNIT  
1645

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JS	AA	4,833,080	05/23/89	Brent et al.	435	172.3	
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
JS	AL	WO 97/35992	10/02/97	PCT		
JS	AM	WO 97/38117	10/16/97	PCT		
JS	AN	WO 98/06864	02/19/98	PCT		
	AO					
	AP					

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

JS	AQ	✓	Amin et al., "Key Features of Heat Shock Regulatory Elements," <i>Mol. Cell. Biol.</i> 8:3761-3769, 1988.
JS	AR	✓	Amin et al., "Organization of the <i>Drosophila melanogaster</i> hsp70 Heat Shock Regulation Unit," <i>Mol. Cell. Biol.</i> 7:1055-1062, 1987.
JS	AS	✓	Amin et al., "The Heat Shock Consensus Sequence Is Not Sufficient for hsp70 Gene Expression in <i>Drosophila melanogaster</i> ," <i>Mol. Cell. Biol.</i> 5:197-203, 1985.

EXAMINER

Jaya Sahel

DATE CONSIDERED

3/6/00

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68	AC	✓	Baler et al., "Heat Shock Gene Regulation by Nascent Polypeptides and Denatured Proteins: hsp70 as a Potential Autoregulatory Factor," <i>J. Cell. Biol.</i> 117(6):1151-1159, 1992.				
68	AD	✓	Benndorf and Bielka, "II. Analysis of Cellular Alterations and Growth Dysregulation in Cancer Cells. Cellular Stress Response: Stress Proteins- Physiology and Implications for Cancer," <i>Recent Results in Cancer Research</i> 143:129-144, 1997.				
68	AE	✓	Candido and Jones, "Transgenic <i>Caenorhabditis elegans</i> strains as biosensors," <i>Trends Biotechnology</i> 14:125-129, 1996.				
68	AF	✓	Chen and Shyu, "AU-rich elements: characterization and importance in mRNA degradation," <i>Trends Biochem. Sci.</i> 20:465-470, 1995.				
68	AG	✓	Craig et al., "Complex Multigene Family of Functionally Distinct Hsp70s of Yeast," <i>Cold Spring Harbor Symposia on Quantitative Biology, Volume LX</i> :441-448, 1995.				
68	AH	✓	Dreano et al., "High-level, heat-regulated synthesis of proteins in eukaryotic cells," <i>Gene</i> 49:1-8, 1986.				
68	AI	✓	Feige and Polla, "Heat shock proteins: the hsp70 family. Hsp70 - a multi-gene, multi-structure, multi function family with potential clinical applications," <i>Experientia</i> 50:979-986, 1994.				
68	AJ	✓	Ferrari et al., "New developments in the generation of Ad-free, high-titer rAAV gene therapy vectors," <i>Nature Medicine</i> 3(11):1295-1297, 1997.				
68	AK	✓	Garriga et al., "Nucleotide sequence analysis and comparison of the <i>lexA</i> genes from <i>Salmonella typhimurium</i> , <i>Erwinia carotovora</i> , <i>Pseudomonas aeruginosa</i> and <i>Pseudomonas putida</i> ," <i>Mol. Gen. Genet.</i> 236:125-134, 1992.				
68	AL	✓	Goldspink, "Gene therapy and cell engineering," <i>Ann. R. Coll. Surg. Engl.</i> 79:245-249, 1997.				
EXAMINER Jaya Sahsl				DATE CONSIDERED 3/6/00			
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58	AC	✓	Günther and Walter, "Genetic aspects of the hsp70 multigene family in vertebrates," <i>Experientia</i> 50:987-1001, 1994.
58	AD	✓	Hall, "Role of hsp70 in cytokine production," <i>Experientia</i> 50:1048-1053, 1994.
58	AE	✓	Hegde et al., "Short Circuiting Stress Protein Expression via a Tyrosine Kinase Inhibitor, Herbimycin A," <i>J. Cell. Physiol.</i> 165:186-200, 1995.
58	AF	✓	Licht et al., "In Vivo Drug-Selectable Genes: A New Concept in Gene Therapy," <i>Stem Cells</i> 15:104-111, 1997.
58	AG	✓	Muhlrad et al., "Turnover Mechanisms of the Stable Yeast PGK1 mRNA," <i>Mol. Cell. Biol.</i> 15:2145-2156, 1995.
58	AH	✓	Newton et al., "The Regulatory Domain of Human Heat Shock Factor 1 Is Sufficient To Sense Heat Stress," <i>Mol. Cell. Biol.</i> 16:839-846, 1996.
58	AI	✓	Nover and Scharf, "Heat stress proteins and transcription factors," <i>Cell. Mol. Life Sci.</i> 53:80-103, 1997.
58	AJ	✓	Nover, "Expression of heat shock genes in homologous and heterologous systems," <i>Enzyme Microb. Technol.</i> 9:130-144, 1987.
58	AK	✓	Nover, <i>Heat Shock Response</i> , CRC Press, Inc., Boca Raton, 1991, Chapter 6, "Gene Technology And Functional Analyses Of Heat Shock Genes," pp. 167-220.
58	AL	✓	Scharf and Nover, <i>Heat Shock Response</i> , CRC Press, Inc., Boca Raton, 1991, Chapter 7, "Heat Shock Transcription Factors," pp. 221-236.

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Jaya Saral

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58	AC	/	Scharf et al., "Heat Stress Promoters and Transcription Factors," in Hennig et al. (ed.), <i>Results and Problems in Cell Differentiation</i> , Springer-Verlag, Berlin, 1994, pp.125-162.
58	AD	/	Voellmy et al., "Isolation and functional analysis of a human 70,000-dalton heat shock protein gene segment," <i>Proc. Natl. Acad. Sci. USA</i> 82:4949-4953, 1985.
58	AE	/	Voellmy, "Transduction of the Stress Signal and Mechanisms of Transcriptional Regulation of Heat Shock/Stress Protein Gene Expression in Higher Eukaryotes," <i>Crit. Rev. Eukaryotic Gene Expr.</i> 4:357-401, 1994.
58	AF	✓	Wilson, "Vectors - shuttle vehicles for gene therapy," <i>Clin. Exp. Immunol.</i> 107(Suppl. 1):31-32, 1997.
58	AG	✓	Wu, "Heat Shock Transcription Factors: Structure and Regulation," <i>Annu. Rev. Cell Dev. Biol.</i> 11:441-469, 1995.
58	AH	✓	Xia et al., "Transcriptional Activation of Heat Shock Factor HSF1 Probed by Phosphopeptide Analysis of Factor <sup>32</sup> P-labeled <i>in Vivo</i> ," <i>The Journal Of Biological Chemistry</i> 273(15):8749-8755, 1998.
58	AI	✓	Zuo et al., "Activation of the DNA-Binding Ability of Human Heat Shock Transcription Factor 1 May Involve the Transition from an Intramolecular to an Intermolecular Triple-Stranded Coiled-Coil Structure," <i>Molecular And Cellular Biology</i> 14(11):7557-7568, 1994.
58	AJ	✓	Zuo et al., "Multiple Layers of Regulation of Human Heat Shock Transcription Factor 1," <i>Molecular And Cellular Biology</i> 15(8):4319-4330, 1995.
	AK		
	AL		

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Sage Saksh, Ph.D.

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